operator's manual

INCLUDES SERVICE INFORMATION

MODEL 5000

CHIPPER/SHREDDER

WOODS

PN 51207 (Rev. 7/05)

Dear Woods Customer,

Thank you for purchasing a Woods Chipper. The Woods Chipper is designed, tested, and manufactured to give years of dependable performance. To keep your chipper operating at peak efficiency, it is necessary to adjust it correctly and make regular inspections. The following pages will assist you in the operation and maintenance of your machine. Please read and understand this manual before operating the chipper.

Owner's Record

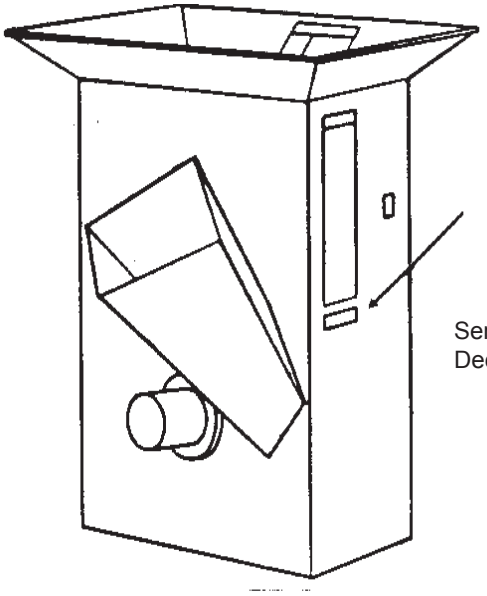
Please take a moment to record the following information about your chipper. If you need to call for assistance, please be ready to provide your model and serial numbers. This information will allow us (or your dealer) to help you more quickly when you call.

Model Number

Serial Number

Date Purchased

Serial Number Decal Location



Serial Number Decal

This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

Be alert! Your Safety is Involved.

Warranty

Woods warrants each new Woods products to be free from defects in material and workmanship. This warranty is applicable only for the normal service life expectancy of the machine or components, not to exceed twelve consecutive months from the date of delivery of the new Woods product to the original purchaser.

Genuine Woods replacement parts and components will be warranted for 90 days from date of purchase, or the remainder of the original equipment warranty period, whichever is longer.

Under no circumstances will it cover any merchandise or components thereof, which, in the opinion of the company, has been subjected to negligent handling, misuse, alteration, an accident, or if repairs have been made with parts other than those obtainable through Woods.

The company in no way warrants engines, batteries, tires or other trade accessories since these items are warranted separately by their respective manufacturers.

Our obligation under this warranty shall be limited to repairing or replacing, free of charge to the original purchaser, any part that in our judgement shall show evidence of such defect, provided further that such part shall be returned within thirty (30) days from date of failure to Woods, routed through the dealer and distributor from whom the purchase was made, transportation charges prepaid.

This warranty shall not be interpreted to render us liable for injury or damages of any kind or nature to person or property. This warranty does not extend to loss of crops, loss because of delay in harvesting, or nay expense or loss incurred for labor, supplies, substitute machinery, rental or for any other reason.

Except as set forth above, WOODS SHALL HAVE NO OBLIGATION OR LIABILITY OF ANY KIND ON ACCOUNT OF ANY OF ITS EQUIPMENT AND SHALL NOT BE LIABLE FOR SPECIAL OR CONSEQUENTIAL DAMAGES. WOODS MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND, SPECIFICALLY, WOODS DISCLAIMS ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SOME STATE OR PROVINCES DO NOT PERMIT LIMITATIONS OR EXCLUSIONS OF IMPLIED WARRANTIES OR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE LIMITATIONS OR EXCLUSIONS IN THIS WARRANTY MAY NOT APPLY.

This warranty is subject to any existing conditions of supply which may directly affect our ability to obtain materials or manufacture replacement parts.

Woods reserves the right to make improvements in design or changes in specifications at any time, without incurring any obligations to owners of units previously sold.

No one is authorized to alter, modify, or enlarge this warranty nor the exclusions, limitations and reservations.

WOODS

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Safety Instructions

Your safety and the safety of others is very important. Important safety messages are provided in this manual and on the machine. Please read these messages carefully.

A safety message alerts you to potential hazards that could hurt you or others. Each safety message is proceeded by one of three words: DANGER, WARNING, or CAUTION.

DANGER	You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions
WARNING	You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.
CAUTION	You CAN be HURT or DAMAGE machine if you don't follow instructions.

Before Operating

- Become familiar with the operator's manual before attempting to operate this equipment. See engine owner's manual for additional safety information.
- Do not allow children to operate this equipment.
- Do not operate this equipment in the vicinity of bystanders.
- Carbon monoxide is extremely dangerous in enclosed areas; do not run the machine in an enclosed area. The exhaust from the engine contains carbon monoxide, a colorless, odorless, and tasteless.
- Do not allow hands, or any part of body or clothing, inside the feeding chamber, discharge chute, or near any moving part.
- Shut off the engine, and make sure all moving parts are completely stopped before inspecting or servicing any part of the machine.

Preparation

- Obtain and wear safety glasses at all times while operating the machine. One pair of safety glasses is provided with each chipper.
- Avoid wearing loose-fitting clothing. Never operate this machine wearing loose clothing particularly if it has drawstrings which could wrap around or get caught in the machine.
- Operate the machine only on a level surface. Do not operate the machine on a paved, concrete, or hard gravel surface. Operating on a hard surface can cause discharged material to rebound and kickback. It will also cause increased machine vibration. Increased vibration causes the machine to move and will promote premature wear of parts or loosening of fasteners.
- Visually check that all screws, nuts, bolts, and other fasteners are properly secured before starting the machine. Check all screws, nuts, bolts, and other fasteners for proper tightness once every 10 hours of operation to insure everything is in proper working condition.

Operation

- Check to ensure the cutting chamber is empty before starting the machine.
- Be extremely careful to exclude pieces of metal, rocks, bottles, cans, and other foreign objects when feeding chipable material into the machine.
- Immediately shut off the engine and allow the machine to come to a complete stop if the cutting mechanism strikes any foreign object or if the machine starts making an unusual noise or vibrating. After machine stops:

  1) Inspect for damage.

  2) Replace or repair any damaged parts.

  3) Check for and tighten any loose parts.

- Check the bolts on the following for correct torque (75 ft. lbs.) every 10 hours of operation:

  • Chipper rotor bearing

  • Chipper blades (use 5/16" bolts (20 ft. lbs))

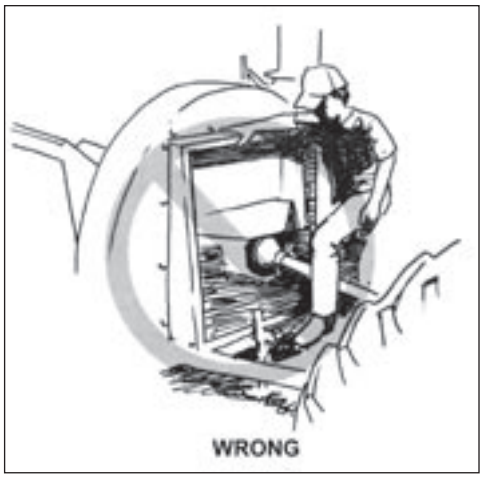
Failure to maintain proper fastening torque (75 ft. lbs.) on bolts for the components listed above may result in severe damage to the chipper and/or personal injury!

- Do not allow processed material to build up in the discharge area; this may prevent proper discharge and can result in kickback of material through the feed opening.
- Do not attempt to operate the chipper with any of the guards, deflectors, or shrouds removed. Keep away from moving parts.
- Keep all guards, deflectors, and shrouds in good working condition.
- Always stand clear of the discharge area when operating this machine.
- Keep your face and body back from the feed opening.
- Do not overreach. Keep proper balance and footing at all times.
- Do not transport or move machine while the machine is running.
- Shut off engine if the machine becomes clogged. Allow machine to come to a complete stop before clearing debris.
- Do not tamper with the engine governor settings on the machine; the governor controls the maximum safe operating speed and protects the engine and all moving parts from damage caused by over-speed.

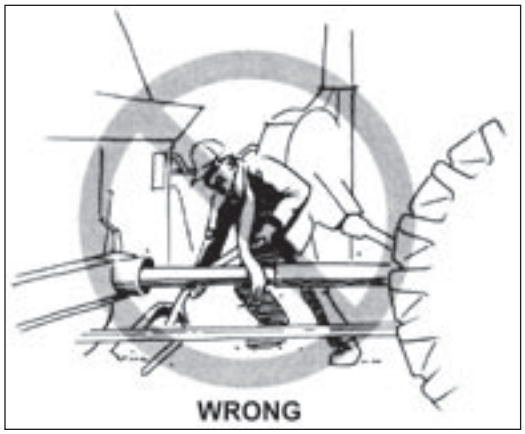
Additional Safety Rules for PTO Models

- Stay alert and pay attention when PTO chipper is operating.
- Keep bystanders, especially children, away from the PTO driveline.
- Connect 3 pt. hitch pins and snap pins, connect PTO shaft and have leg stands down and secure when in use.
- Check the driveline to ensure it is attached securely to the tractor.
- Keep guards and shields in place at all times while operating. Disengage tractor PTO and shut off engine before removing guards or shields.

- Keep hands, feet, and clothing away from all PTO drive parts.



- Do not clean, lubricate, or adjust the PTO when it is running.
- Clothing worn by operator must be fairly tight. Never wear loose jackets, shirts, shirt sleeves or pants when working around PTO. Tie long hair back or put under a cap.



- Keep hydraulic hoses, electric cords, chains, and other items from contacting the driveline.
- Make sure transmission is in neutral or park and PTO is disengaged before starting the tractor.
- Do not exceed the recommended 540 RPM PTO operating speed.
- Disconnect PTO and shut off tractor when this unit is stopped for servicing, inspection, storage, or to change an accessory.
- Shut off the PTO, lift 3 pt. hitch, and adjust leg stands if needed to move the unit.
- Read and follow instructions on PTO safety decals.

WARNING! Recommended tractor PTO horsepower is 15 HP to 30 HP. Use of these units on tractors above 30 PTO horsepower may cause belt and machine damage in overload conditions.

Safety Decals

Safety and instruction decals are located on the chipper/shredder frame and engine. Replace any damaged or unreadable decal. See parts drawings and lists for location of safety decals on the chipper/shredder frame.

Part #57836, French Safety Decal Kit

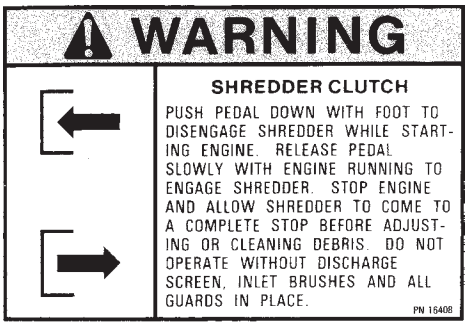
Part #51375

Part #51281

Part #51361

Part #51373

Part #51317



Part #51299

Assembly

Your chipper/shredder may arrive totally or partially assembled. Perform the steps in this section if your machine arrives partially assembled.

1. Remove from crate.

2. Place hopper assembly on top of shredder frame. Place the tabs on the bottom of the hopper inside the shredder frame. Secure with 11 5/16" x 3/4" bolts, washers, and locknuts. Insert the bolts from the inside of the hopper outwards.

3. Connect 3 pt. mounts on chipper/shredder and tractor (a special bushing kit is needed for category 2 & 3 hitches). Secure connection with snap rings.

4. Adjust leg stands so that the PTO drive shaft runs as straight as possible. PTO shaft angle should not exceed 15o.

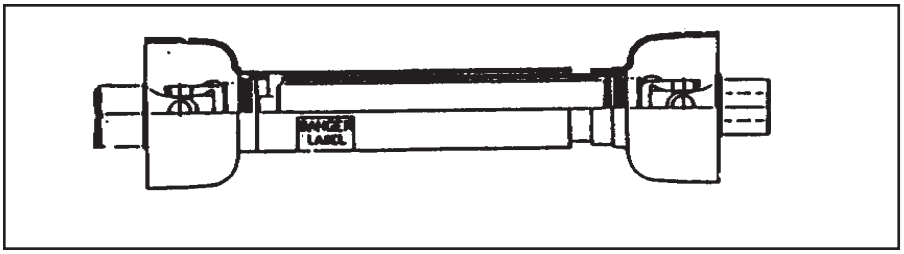
5. Connect PTO shaft between chipper/shredder and tractor. Make sure to use the correct rpm machine, there are two models, 540 rpm and 2000 rpm. Do not operate machine at speeds different than specified on shield.

NOTE: Minimum & maximum telescoping on the PTO shaft is 18" to 26". This will leave a 4 inch overlap at maximum telescoping distance.

NOTE: The maximum distance between the chipper/shredder and the tractor should not exceed 22-1/2 inches.

6. Never inspect or work on PTO drive area without first disengaging PTO and shutting off the tractor engine.

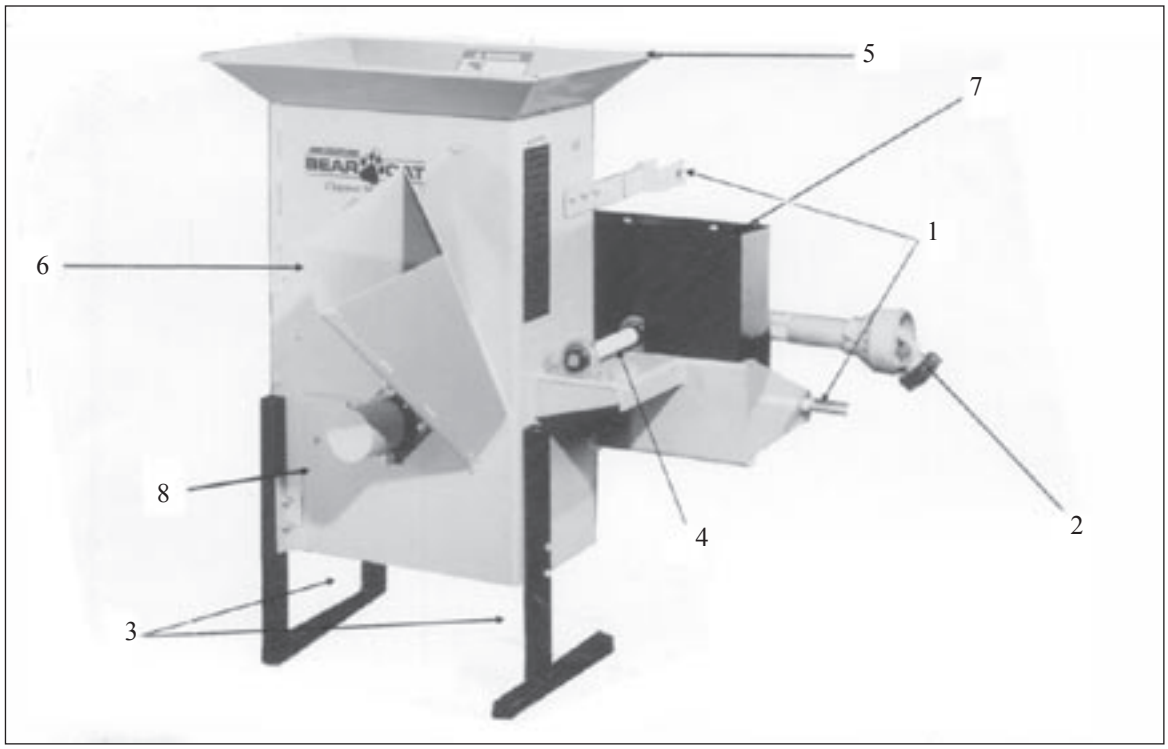
7. Start tractor engine and engage PTO drive clutch (refer to the tractors owner's manual). Increase engine speed to rated PTO rpm position.



Telescoping Type
18" to 26" Will Leave 4" Overlap

Controls and Operation

1. 3 pt. Hitch Connections. Mount chipper/shredder to tractor. Connect direct for categories 0 & 1. Install a bushing kit on 3 pt. connections for category 2 hitches.
2. PTO Shaft. Connects tractor PTO to chipper/shredder drive shaft. Avoid angle greater than 150 up or down when unit is in use.
3. Leg Stands. Adjustable to allow proper drive shaft angle. Don not move machine unless the legs clear the ground.
4. Jack shaft. Used for correct belt tension adjustment.
5. Shredder Hopper. Material to be shredded are fed through the hopper to the shredding knives.
6. Chipper Chute. Material to be chipped are fed through the chipper chute to the chipper blades.
7. Drive Belt Shield. Never remove shield while the unit is running.
8. Rotor Access Cover. Access to remove chipper blades and service rotor assembly.



Starting

1. Start tractor engine and engage PTO drive clutch (See tractor owners manual). Increase engine speed to created PTO rpm position.

Specifications & Recommendations

The Woods chipper/shredder is designed to grind, shred, and chip a variety of materials into a more readily decomposing or handled condition. Use the following guidelines to help get you started.

- **Shredding/Grinding.** Small materials such as leaves, grass clippings, and garden debris (cornstalks, plants, vines, etc.) are easily processed through the shredder. Limit sticks and branches to 1-/2 inches in diameter and no longer than 24 inches to avoid excess whipping and wrapping. Wet materials may require use of the coarse (large hole) or wet debris discharge screen to avoid plugging. The processed material can be placed in a compost pile or spread on the ground as a mulch. Use the shredder to also process such materials as newspapers, plastics, aluminum cans, milk cartons, etc. It may be necessary to use a branch, cardboard tube, leaf tamper or similar object to help push material through the inlet guard. Use the optional fine (small hole) discharge screen when grinding small dry material.

WARNING! Do not reach into either feeding chamber or discharge area until engine is stopped, spark plug wire disconnected and the rotor has stopped turning.

- **Chipping.** The chipper makes chips from branches up to 5 inches in diameter. Trim larger branches so the limbs fit into the chipper chute. Group several small branches together and feed into the chipper chute at one time. Changing to the optional medium discharge screen makes smaller sized chips. Use the processed chips as a decorative mulch or place in a compost pile.

Operation

Shredding

WARNING! Always stand clear of the discharge opening when operating the machine. Keep hands or any other part of the body or clothing out of inlet and discharge openings.

WARNING!! DUE TO THE AGGRESSIVENESS OF THE MACHINE'S SHREDDING CAPABILITY, DO NOT ATTEMPT TO HOLD ON TO MATERIAL INTENDED FOR SHREDDING ONCE IT HAS BEEN PLACED IN THE HOPPER.

1. Place materials to shred (grass, leaves, garden refuse, sticks, and branches less the 1-1/2 inches in diameter and 24 inches long, etc.) into the hopper. Use a leaf tamper, branch, or other similar object to push material through the inlet guards if necessary. Feed material evenly into the shredder so the machine does not lug down or the shredder becomes plugged. Attempting to use the clutch to clear a plugged rotor causes belt damage. Refer to clearing plugged rotor in the service and maintenance section for instructions. Feed branches or items that plug or cause the machine to stall more evenly or put through the chipper chute.

Chipping

WARNING! Keep face and body away from the feed opening. Do not overreach. Keep proper balance and footing at all times.

1. Select limbs between 3/4 and 5 inches in diameter; trim side branches off that cannot be bent over enough to fit into the chipper chute. Some small branches can be broken off on the chipper chute transport handle. Hold small diameter branches together in a bundle and feed in simultaneously.

2. Place limb, butt end first, into the chipper chute until it contacts the chipping blades. The actual feed rate of the limb into the chipper depends on the type of material being fed, the sharpness of the cutting blades, and the size of the machine. Alternately insert and retract the limb or insert continuously at a rate that will not kill the engine. Rotating the branch when feeding to improve cutting action.

   The chipping blades dull with use and require periodic sharpening. Refer to sharpening chipper blades in the service and maintenance section for instructions.

Stopping

1. Move the tractor throttle to slow position.

2. Disengage the PTO lever and shut off the tractor engine.

3. Allow the machine to come to a complete stop.

Note: The rotor is heavy and has inertia to continue to turn the rotor for some time after the clutch has been disengaged. The rotor is completely stopped when there is no noise, machine vibration, or the exposed end of the rotor shaft is not rotating. The stopping time can be shortened by inserting a branch into the chipper chute so it contacts the blades and slows the rotor.

Torque Chart

Standard minimum tightening torque for normal assembly applications.

Bolts (SAE GR5)		Screws	
Size	Ft. Lbs.	Size	Ft. Lbs.
5/16"	20	5/16" Set	15
3/8"	35	#10-24 Set	3

Service and Maintenance

Inspection Items	Interval								
	Before Each Use	Every 10 Hours	Every 25 Hours	Every 50 Hours	Every 100 Hours	Every 200 Hours	Every 300 Hours	Every 800 Hours	Every 1 Year
Check Nuts & Bolts (Including Wheels & Tire Pressure)	●								
Check PTO Shaft Shields and Guards	●								
Lubricate PTO Shaft		●							
Check Sharpness of Chipper Blades		●							
Grease Bearings and Pivots				●					
Check Bolts: Chipper Blades		●							
Check Drive Belt			●						●
Clean Machine				●					

Note: (*) Service more frequently when used in dusty conditions

Before inspecting or repairing any part of the machine, shut off the engine and make sure all moving parts have come to a complete stop.

◎ Indicates first hours of use.

Service and Maintenance

Before inspecting or servicing any part of the machine, shut off the engine, and make sure all moving parts have come to a complete stop. The chipping blades are sharp! Use care when working on machine to avoid injury.

Removing Discharge Screen

1. Remove the discharge screen by removing the two 5/16 inch retaining bolts from the bottom of the screen.
2. Pull the bottom of the screen outward. This will cause the screen to rotate off the lip on top and fall.
3. Place the top lip of the screen into the slot under the top slope to reinstall the discharge screen.
4. Rotate the screen to align the bolt holes with the holes in the chipper base and the plate butts against the kicker bar.
5. Reinstall bolts and torque to proper specs.

Sharpening Chipper Blades

The chipper blades dull, making chipping difficult. The chipper blades are two edged. Flip the blade to use the sharp second edge after the first edge dulls. Sharpen the chipper blades once both edges are dull. It is recommended the chipper blades are sharpened every 5-15 hours of chipper operation. To remove the chipping blades for sharpening:

1. Remove the discharge screen by removing the 5/16 inch retaining bolt and pulling the screen outward.
2. Remove the access cover on the chipper chute side of the machine.
3. Rotate the rotor so that the bolts holding the chipper blade are most accessible.
4. Remove the two hex head bolts holding the blade itself. Repeat for all four blades.
5. Grind the angled edge of the chipping blade to 45 degrees. See figure on page 12.

- Grind the blades on a slow-speed wet grinder if possible, or have them sharpened by a professional. If you use a bench grinder, be careful when grinding so that the blade material does not get too hot and change color– this removes the special heat treated properties. Use short grinding times and cool with water. Try to remove an equal amount off each blade to maintain balance. Replace the chipping blades and tighten bolts to 20 ft. lbs.

NOTE: Never sharpen or grind the back side of the chipper blade. This causes the edge to roll and damage to the chipping blade, resulting in poor chipping and feeding of material. Small imperfections, nicks, burrs, etc. on the flat side of the blade will not affect performance of the machine.

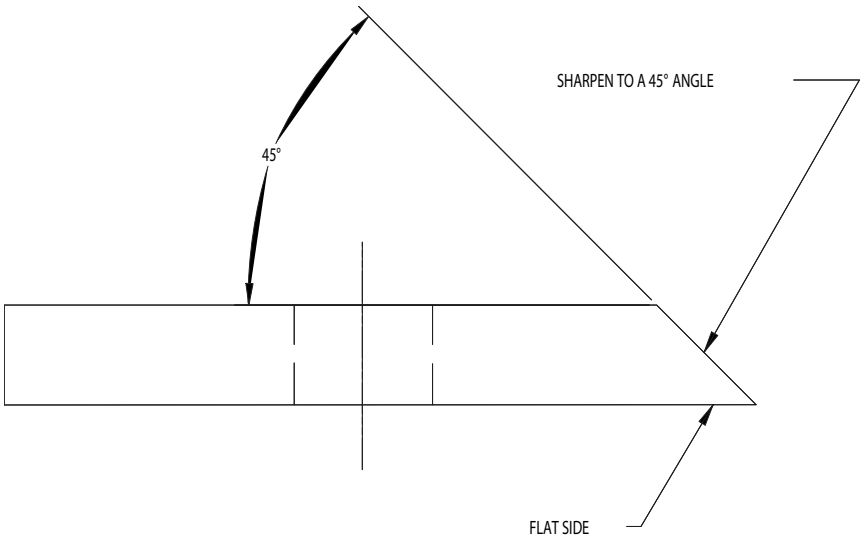
Chipping Blade Sharpening Tips

Poor chipping performance is usually a result of dull chipping blades. Check for the following symptoms if your chipper performance has decreased:

- Severe vibration when feeding material into the chipper.
- Small diameter branches do not self-feed.
- Chips discharge unevenly or have stringy tails–especially when chipping green branches.

Check for permanent damage before you sharpen the chipping blades. Replace the blade if:

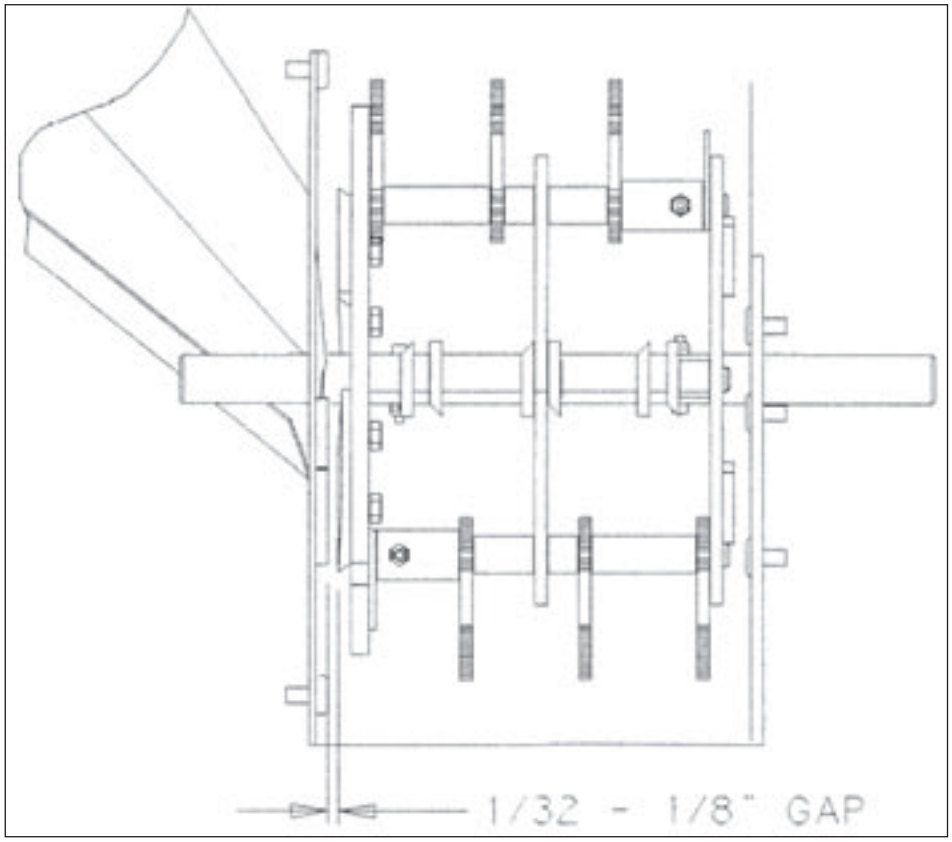
- The blade is cracked (especially around the bolt holes) or the edges are too deeply chipped to be ground smooth.
- The base of the cutting edge is worn or has been re-sharpened so it is too close to the rotor chipping slot.



Setting Chipping Blade Clearance

The chipping blades need to clear the chipper block located directly under the chipper chute by 1/32 inch to 1/8 inch. Proceed as follows to adjust the blade clearance:

1. Remove the lower belt guard, the discharge screen, and the access cover.
2. Loosen the bushing bolts holding the pulley to the rotor shaft on the front side.
3. Remove the cover cap on rotor shaft rear side.
4. Use a punch and hammer to tap the lock collars in a direction opposite of normal rotation so they rotate and can be removed.
5. Tap the end of the rotor shaft to obtain 1/32 to 1/8 of an inch clearance using a rubber mallet (See below figure). View the blade clearance through the discharge opening. Rotate the rotor and check the clearance on both chipping blades.
6. Replace the lock collars to retain setting once clearance has been set. Slip the lock collars over the eccentric hub on the bearings. Rotate the lock collars in the direction of shaft rotation (i.e. clockwise on the rear bearing and counterclockwise on the front bearing) and "set" them with a positive hammer tap using a punch and a hammer. Tighten the lock collar set screws.
7. Loosen the bushing holding the belt pulley on the rotor shaft. Move the pulley on the shaft so it aligns directly below the similar pulley on the engine shaft (the pulley should be moved an equal but opposite amount the rotor was moved).
8. Replace the lower belt guard, discharge screen, and rotor shaft cover.

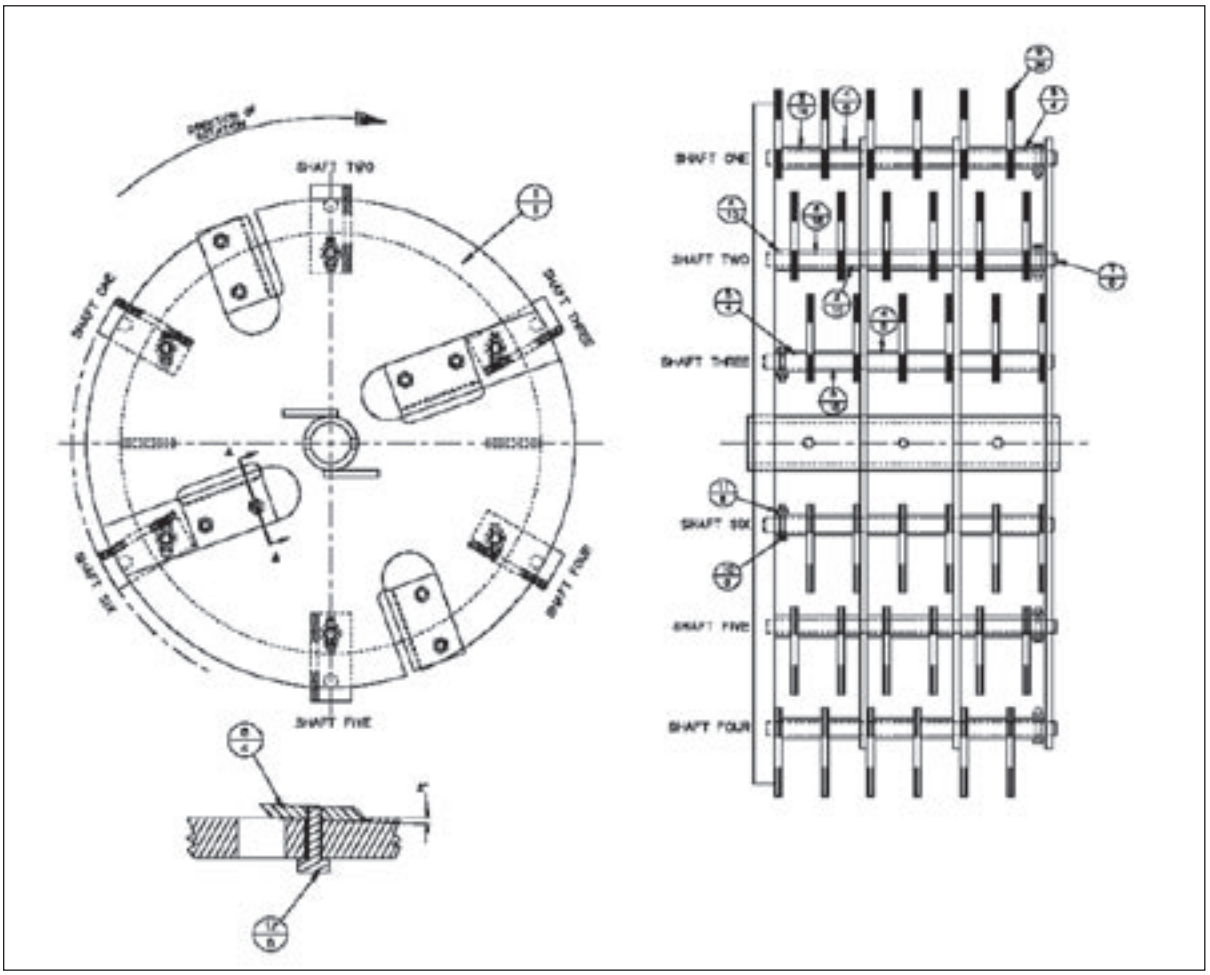


Replacing Shredder Kit

Care must be taken to insure knives and spacers are installed properly to maintain rotor balance.

1. Remove discharge screen cover, discharge screen, and rear side access cover.
2. Remove #10-24 nuts and bolts from the knife shafts.
3. Align shaft with access hole in rear of frame.
4. Drive the shaft towards the access hole using a small punch or rod.
5. Remove spacers and shredder knives. Be careful to keep track of the order the spacers were installed on the shafts so they can be returned to the original locations. Reverse or replace knives and reassemble back onto the rotor. Install a new #10-24 nut and bolt.
6. Repeat steps #3 through #5 to assemble the other three shafts.

NOTE: Never reuse rotor shafts or bolts and nuts if they show signs of wear or abuse. Install new ones.



Cleaning Plugged Rotor

Do not operate machine without proper guards and screens in place.

1. Disengage PTO and shut off tractor engine.
2. Remove the discharge screen.
3. Clean the debris out of the shredding rotor. Turn the rotor by hand to ensure it rotates freely.
4. Replace discharge screen.
5. Start tractor, engage PTO, and resume operation.

Removing Rotor

Do not operate machine without proper guards and screens in place.

1. Remove the discharge screen, belt guards, and the rotor shaft end cover.
2. Loosen the bushing bolts holding the drive pulley to the shaft and remove the pulley.
3. Loosen the set screw in the lock collars. Tap the lock collars in a direction opposite of normal rotation so that they can be removed using a punch and hammer.
4. Loosen the set screw in the center of the rotor assembly.
5. Remove the two 3/8 x 2-1/2" bolts running through the rotor shaft.
6. Drive the shaft towards the chipper chute side of the machine with a rubber mallet or other soft hammer to remove.
7. Remove the rotor assembly from the chamber through the discharge opening.
8. Smooth any divots or marks in the shaft caused by the set screws to ease reinstallation. Clean shaft as much as possible before installing into machine.

Replacing Drive Belts

Check the condition of the drive belts annually or every 30 hours of operation, whichever comes first. Replace any cracked, frayed, or worn belt. To replace the belt, proceed as follows:

1. Disengage PTO and shut off tractor engine.
2. Remove PTO shaft from tractor and disconnect machine from 3 pt. hitch.
3. Remove the belt guard shield covering the PTO shaft by removing the two 5/16" nuts.
4. Remove the PTO shaft from the chipper/shredder by loosening two set screws and pulling the shaft off.

5. Loosen the bolts mounting the jack shaft pillow block and move the shaft towards the frame. Remove belts.

6. Install new belts and align pulleys to within 1/16".

7. Slide jack shaft away from frame. Tighten bolts so 1/4" deflection at center of belt span is obtained with 10 lbs. force applied at the center of the span. Make sure the jack shaft is aligned parallel to the rotor shaft before tightening the pillow block bolts.

Never run PTO without all shields in place.

8. Reinstall belt shields and guards. Install PTO shaft and tighten the two set screws. Install PTO shield.

Additional Service and Maintenance Tips

1. Service engine according to engine owners manual.

2. Check all bolts and other fasteners for correct torque every 10 hours of operation. Refer to the torque chart on page 9.

3. The unit has 2 greaseable bearings on the rotor shaft. Two greaseable bearings are also located on the main jack shaft under the small belt guard. Grease these bearing once per year under normal working conditions. Do not damage seals on the bearing by over greasing.

4. The PTO shaft has 4 grease zerks that can be lightly greased every 50 hours of use.

5. Remove the discharge screen (all models) daily to avoid material buildup under normal mounting surfaces. Clean away material and reinstall screen.

Service Accessories

DESCRIPTION	PART NUMBER
Discharge Screens	
Fine	51213
Medium	51214
Coarse	51215
Wet Debris Screen	51216
Leaf Tamper	51212
Reversible Tool Steel Chipper Blades (Set of 4)	40790
Shredder Kit	51218
French Safety Decal Kit	57836

Troubleshooting

Problem	Probable Cause	Suggested Remedies	Reference
1. Engine will not start	a) Improper control settings b) Lack of fuel c) Internal Problems	a) Use proper setting b) Fill fuel tank c) See your dealer	Engine Manual
2. Engine or rotor stalls or stops	a) Obstructed discharge b) Plugged Rotor	a) Use branch or similar object to clear discharge b) Clear Rotor	Service & Maintenance
3. Hard to feed Chipper requires excessive power required	a) Obstructed discharge b) Improper blade clearance c) Dull chipper blades	a) Use branch or similar object to clear discharge b) Adjust clearance c) Sharpen blades	Service & Maintenance
4. Shredder requires excessive power or stalls	a) Obstructed discharge b) Plugged rotor c) Green material will not discharge	a) Use branch or similar object to clear discharge b) Clear rotor, feed material into shredder more evenly. c) Alternately feed dry material, or install coarse discharge screen or wet debris screen.	Service & Maintenance
5. Engine stalls or belt squeals when engaging clutch	a) Engaging clutch too fast b) Plugged Rotor	a) Lift clutch lever more slowly b) Clear rotor	Service & Maintenance
6. Material from chipper wraps around rotor shaft	a) Stringy, green material bypasses chipper blades b) Improper blades clearance c) Plugged discharge screen	a) Rotate branch or material when feeding to cut completely b) Adjust clearance c) Install wet debris discharge screen	Service & Maintenance

Note: When ordering replacement parts, be sure to identify the Model and Serial number of the machine.

Replacement & Maintenance Chart

Replacement Parts Ordered	*Date Part Ordered*	*Date Part Replaced*	*Replaced By*	*Checked By*

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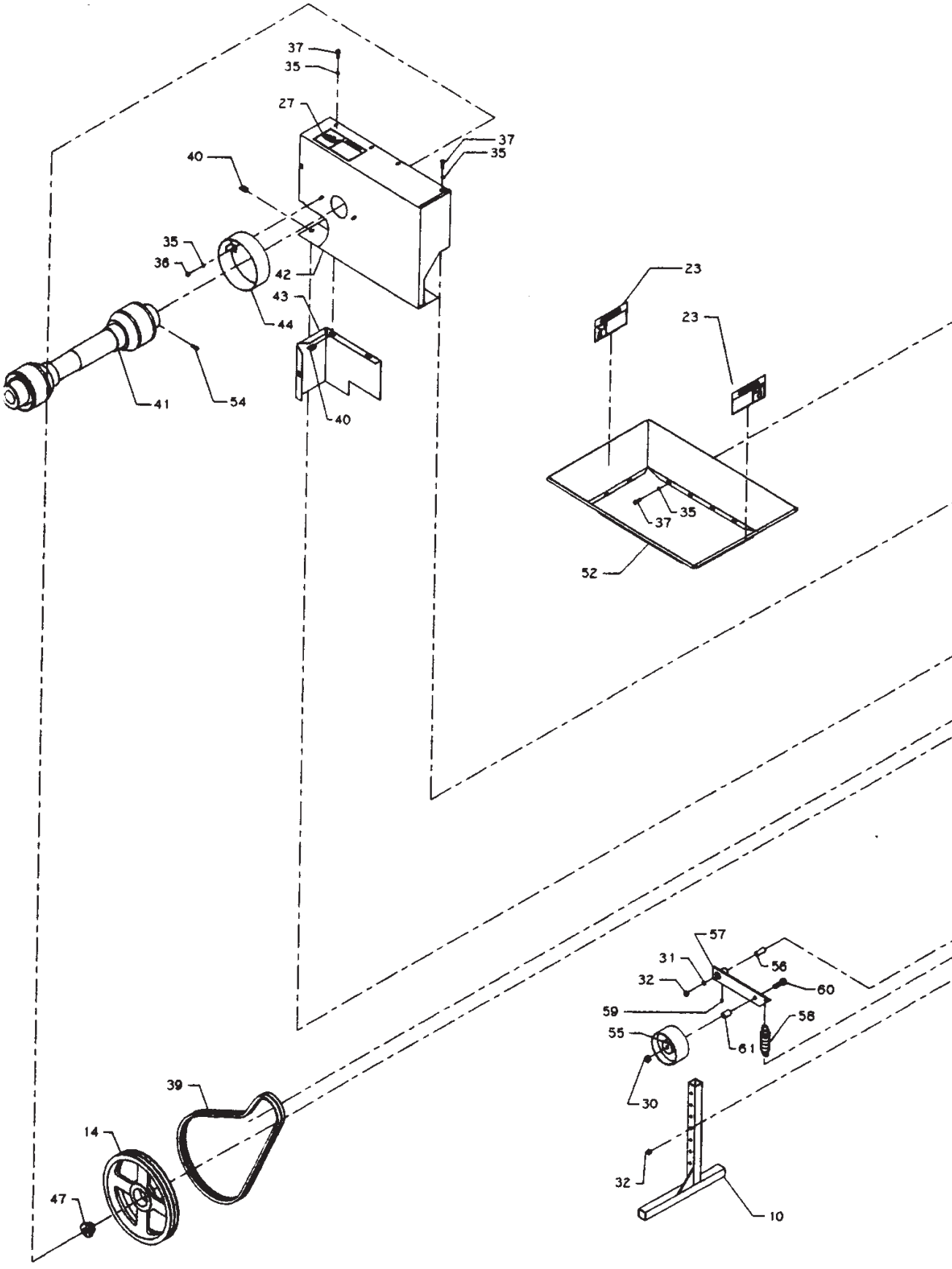
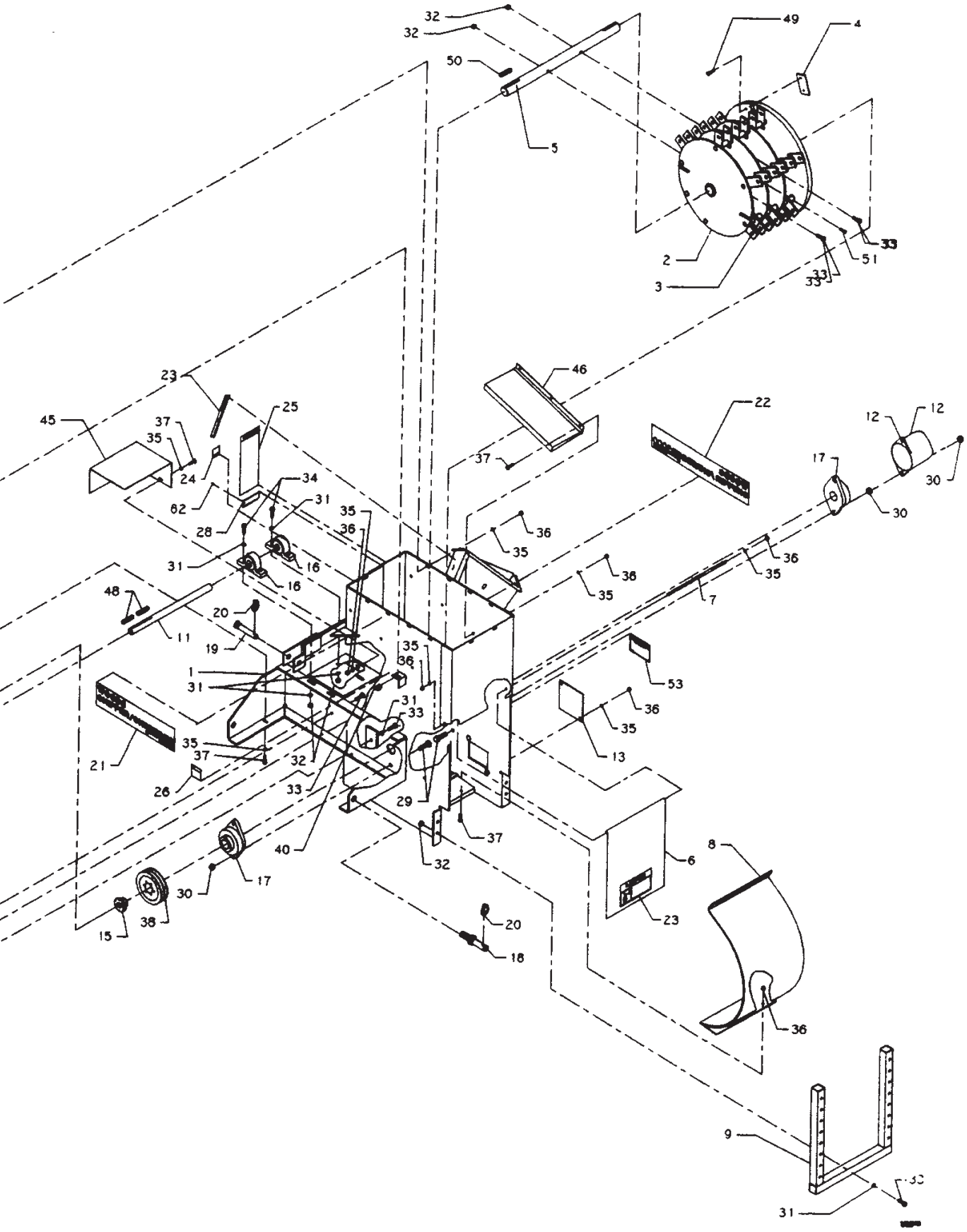
Model 5000 Parts List

#	Part #	Description	Qty
1.	51440	PTO Frame w/Decals	1
		Incl. #23,25,26,53	
2.	51402	Wldmt, Large Rotor	1
3.	51218	Shredder Kit	1
	See Shredder Parts List		
4.	51217	Blade Kit	1
	Incl. #49		
5.	51408	Shaft, Large Rotor	1
6.	51422	Discharge Door w/Decals	1
	Incl. #23		
7.	51411	Rod, Door Pivot	1
8.	51215	Wldmt, Coarse Screes	1
9.	51412	Wldmt, PTO c/s Stand	1
10.	51413	Wldmt, PTO c/s Post	1
11.	51414	Jackshaft, PTO c/s	1
12.	51301	Cap, Large Shaft	1
13.	51410	Cover, Blade Access	1
14.	51278	Sheave, 2B 13.4	1
15.	51277	Bushing, 1-1/2” SH	1
16.	51482	Bearing, Pillow Block	1
17.	51473	Bearing, 2 Bolt Flange	2
18.	51279	Pin, Lift Arm 7/8x5”	2
19.	51280	Pin, Top Link 3/4x4-1/2	1
20.	51276	Pin, Lynch 7/16x5/8”	3
21.	51643	Decal, Woods C/S	1
22.	51649	Decal, Woods 5000 C/S	2
23.	51373	Decal, Danger	4
24.	51374	Decal, Made in USA	1
25.	51375	Decal, Operating Instructions	1
26.	51361	Decal, Danger (Shield)	1
27.	51281	Decal, Danger (PTO)	1
28.	51690	Plate, 5000 Serial Number	1
29.	3699	Bolt, 1/2x2 GR5	4
30.	765	Nut, 1/2” Centerlock	7
31.	565	Washer, 3/8” Flat	19
32.	28093	Locknut, 3/8 NYL	13
33.	2290	Bolt, 3/8x2-1/2 GR5	9
34.	976	Bolt, 3/8x1-1/2 GR5	4
35.	21109	Washer, 5/16 Flat	45
36.	71061	Locknut, 5/16 NYL	26
37.	6096	Bolt, 5/16x3/4 GR5	28
38.	51233	Sheave, 2B 3.6 SH	1
39.	51356	Belt, BX-56	2
40.	51590	Nut, 5/16 Tinnerman	7
41.	51275	Driveshaft (540 PTO)	1
	51596	U-Joint Cross Kit 540 PTO	2
42.	51423	Assy 540 Guard w/Decal	1
	Incl. #27		
43.	51417	End Guard	1
44.	51419	Wldmt, Joint Shield	1
45.	51418	Shield, Jackshaft	1
46.	51282	Brush, Inlet	2
47.	51283	Bushing, 1” SK	1
48.	7142	Key, 1/4x2	2
49.	14562	Bolt, 5/16x1	8
50.	608	Key, 3/8x2 Sq.	1
51.	51593	Set Screw, 5/16x1/2	1
52.	51439	Assy, Hopper w/Decals	1
	Incl. #23		
53.	51284	Decal, Access Cover	1
54.	51586	Screw, 3/8x3/4 Set	2
55.	81286	Pulley, 5x2.5 Idler	1
56.	51438	Spacer, 0.63 x 1.63	1
57.	51437	Wldmt, Idler Arm	1
58.	51367	Spring, EXT 3/4 DIA	1
59.	51514	Grease Zerk, 1/4”	1
60.	1637	Bolt, 1/2x3-1/2 GR5 HCS ZP	1
61.	51405	Spacer, Idler	1
62.	12650	Screw, 6" x 1/4" Drive	1

Model 5000 Parts Diagram

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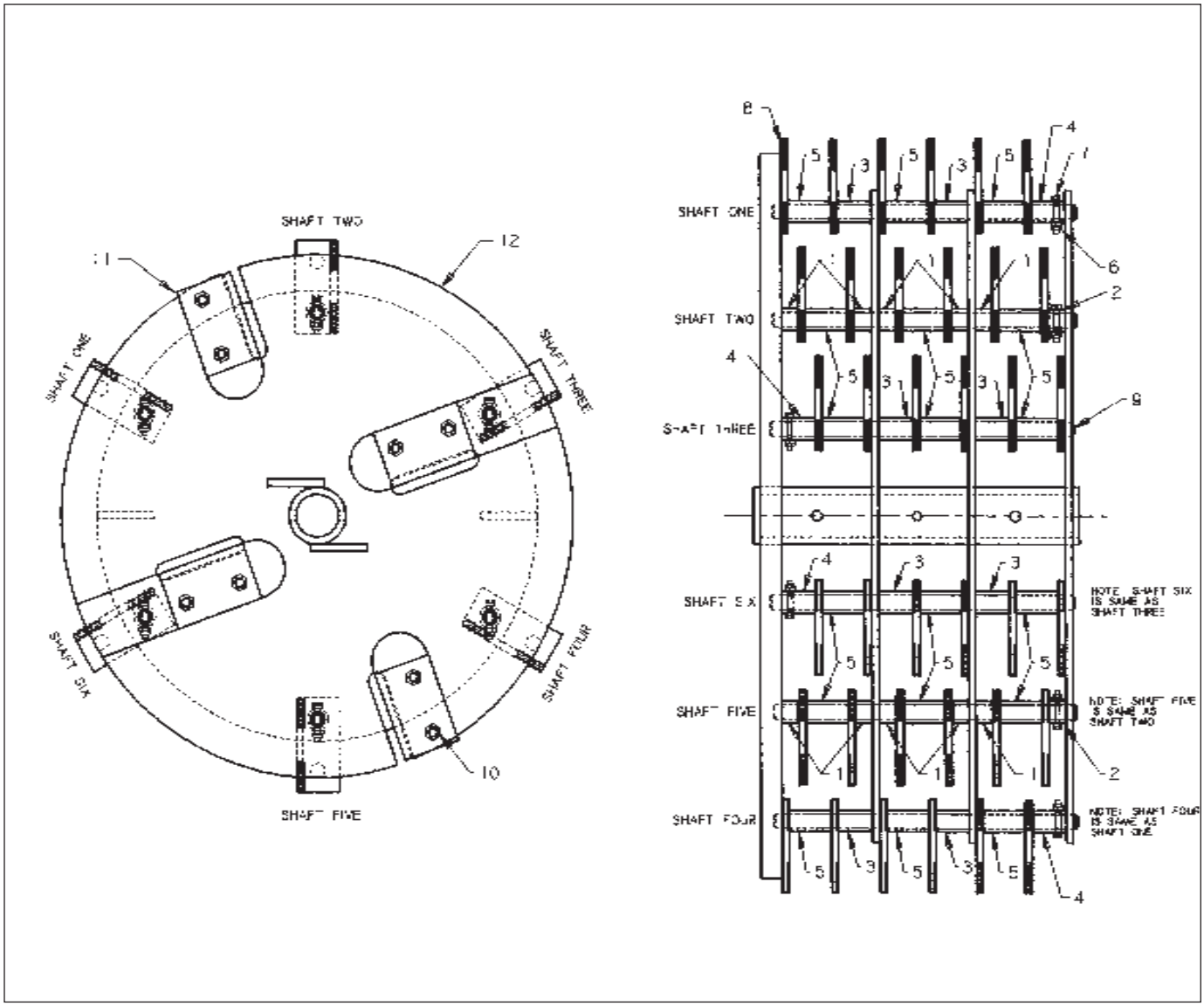
Shredder Kit Diagram & Parts List



#	Part #	Description	QTY
1.	51403	Spacer, .75x.59	10
2.	51404	Spacer, .75x.59 w/hole	2
3.	51405	Spacer, .75x1.18	8
4.	51406	Spacer, .75x1.18 w/Hole	4
5.	51407	Spacer, .75x1.47	19
6.	51252	Nut, 10-24 Nylock	6
7.	51259	Screw, 10-24 SKT HD	6
8.	51441	Shredding Knife, Rect.	36
9.	51409	Shaft, Large Rotor Knife	6